

Converting Colors

XYZ(69.6179, 77.1784, 13.9707)

Have a look what the booklet for
XYZ(69.6179, 77.1784, 13.9707)
contains.

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Color

**XYZ(69.5169, 76.9602,
13.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE430
RGB	255, 228, 48
RGB Percent	100%, 89%, 19%
CMY	0.0000, 0.1059, 0.8117
CMYK	0.00, 0.11, 0.81, 0.00
HSL	52°, 100%, 59%
HSV	52°, 81%, 100%
XYZ	69.5169, 76.9602, 13.9872
YIQ	215.5530, 73.8720, -50.2560

Conversions

Conversions Part 2

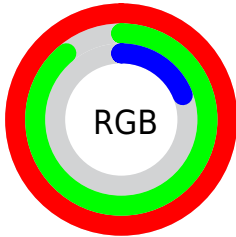
Format	Color
R_{YB}	79, 255, 48
Decimal	16770096
CIE _{Lab}	90.30, -7.71, 82.37
CIE _{LCh}	90, 82.727, 95.349
Yxy	76.9602, 0.4332, 0.4796
Android (android.graphics.Color)	4294960176 (0xFFFFE430)
YUV	215.5530, -82.6036, 34.5950
Hunter-Lab	87.7270, -12.0746, 51.9557

Details

The XYZ color **69.5169, 76.9602, 13.9872** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **21.7853, 12.8808, 95.9450**, and the grayscale version is **65.4772, 68.8871, 75.0180**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **37.1917, 41.3565, 6.0224** is the 20% darker color. If you saturate the color by 10%, you get **68.2287, 74.9982, 11.6651**, and if you desaturate by 10%, it is **71.1282, 79.0856, 17.9083**.

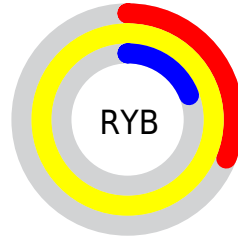
Distribution



Red (100%)

Green (89%)

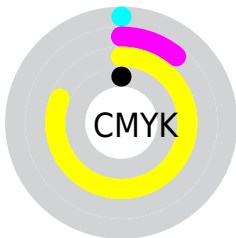
Blue (19%)



Red (31%)

Yellow (100%)

Blue (19%)

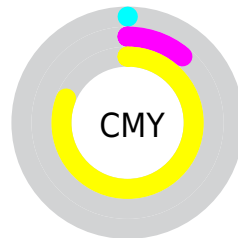


Cyan (0%)

Magenta (11%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5169, 76.9602, 13.9872 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.5169, 76.9602, 13.9872 by changing the saturation by 10% instead.


 69.5169, 76.9602,
13.9872

 69.5169, 76.9602,
13.9872


448.1448,
484.6283, 228.5768

 51.4110, 57.2202,
7.9731


 117.5496,
129.0833, 33.7831


 36.7581, 41.1821,
3.9902


 148.2071,
162.2352, 48.4020


 25.1931, 28.4614,
1.6200


 183.7791,
200.6265, 66.7263

 16.3505, 18.6737,
0.3050

 224.6310,
244.6417, 89.1744

 9.8649, 11.4348,
0.0000

 271.1282,
294.6650, 116.1650

 5.3711, 6.3601,
0.0000

323.6360,

 2.5036, 3.0652,

351.0810, 148.1166

0.0000

382.5197,
414.2740, 185.4477

■ 0.8971, 1.1659,
0.0000

■ 0.0000, 0.0336,
0.0000

■ 69.5169, 76.9602,
13.9872

■ 69.5169, 76.9602,
13.9872

■ 68.2287, 74.9982,
11.6651

■ 71.1282, 79.0856,
17.9083

■ 67.2936, 73.3677,
10.6146

■ 73.1026, 81.3815,
23.6618

■ 75.4795, 83.8670,
31.4476

■ 78.2919, 86.5552,
41.4381

■ 81.5691, 89.4581,
53.7877

■ 85.3379, 92.5866,
68.6366

■ 89.6229, 95.9506,
86.1143

■ 94.4471, 99.5595,
106.3411

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9494, 76.9602, 17.1899



69.5169, 76.9602, 13.9872



52.5371, 76.9602, 21.1376

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5169, 76.9602, 13.9872



45.3577, 76.9602, 168.0796



115.3897, 76.9602, 140.5930

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.5169, 76.9602, 13.9872



21.7853, 12.8808, 95.9450

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.5484, 76.9602, 214.6016



69.5169, 76.9602, 13.9872



57.8362, 76.9602, 235.0157

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5169, 76.9602, 13.9872



40.3670, 76.9602, 94.8251



76.9041, 76.9602, 255.1483



120.1120, 76.9602, 73.6581

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5169, 76.9602, 13.9872



45.1568, 76.9602, 34.4212



76.9041, 76.9602, 255.1483



110.8214, 76.9602, 166.2866

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.5186, 76.9639, 13.9887



84.2218, 91.6794, 64.1782



43.5879, 23.8908, 9.0802



17.7381, 19.3839, 12.5970



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5186, 76.9639, 13.9887



67.6014, 73.9158, 10.9239



54.9075, 81.3289, 15.6014



19.3473, 20.6627, 19.1129



35.2415, 38.4942, 5.5727



3.4852, 3.8557, 0.5605

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.7853, 12.8808, 95.9450



18.9014, 8.7806, 95.3063



27.4057, 13.6126, 95.7901



17.1939, 17.7594, 22.7716



9.7779, 4.4653, 49.7811



1.0085, 0.5478, 4.8658

Previews

White Background



This preview shows how the XYZ color 69.5169, 76.9602, 13.9872 looks on a white background.

Color Contrast Check

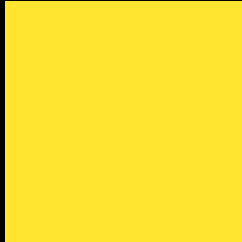
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 69.5169, 76.9602, 13.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5169, 76.9602, 13.9872

Background



This preview shows how black text looks on a background with the XYZ color 69.5169, 76.9602, 13.9872.



This preview shows how white text looks on a background with the XYZ color 69.5169, 76.9602,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

69.5169, 76.9602, 13.9872

Protanopia

69.8257, 77.0837, 15.6133

Deuteranopia

75.2971, 76.6769, 52.4265



Tritanopia

80.3150, 77.0042, 84.0290

Trichromacy



Original Color

69.5169, 76.9602, 13.9872

Protanomaly

69.6972, 77.0323, 14.9367



Deuteranomaly

71.9249, 76.1830, 32.0330



Tritanomaly

73.9721, 76.1469, 45.4494

Monochromacy



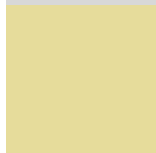
Original Color

69.5169, 76.9602, 13.9872



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

64.1427, 70.3760, 41.2136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5169, 76.9602, 13.9872 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 228, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 48)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 228, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 48) }
```

Border

The CSS property to change the border of an element to XYZ 69.5169, 76.9602, 13.9872 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 228, 48) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 228, 48) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 228, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5169, 76.9602, 13.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 48) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
228, 48) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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